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PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: UTE NEGELE ET AL.

Serial No.: 09/058,810

Group Art Unit: 1700

Filed: APRIL 13, 1998

Examiner: V. Chen

Title: METALLIC SUBSTRATE FOR A VEHICLE BODY

[PROPOSED] CLAIM LANGUAGECommissioner for Patents  
Washington, D.C. 20231

## ALTERNATIVE 1

28. A method for corrosion-proofing a metal substrate, comprising:

applying a bond coating to the substrate, the bond coating comprising at least one organic adhesion-conferring polymer, wherein the at least one adhesion-conferring polymer comprises at least one polybismaleimide selected from the group consisting of: (i) a homopolymer comprising a bismaleimide, (ii) a homopolymer comprising a maleimide-terminated oligomer, (iii) a homopolymer comprising a maleimide-terminated polymer, (iv) a copolymer comprising a bismaleimide, (v) a copolymer comprising a maleimide-terminated oligomer, (vi) a copolymer comprising a maleimide-terminated polymer, and (vii) a copolymer of an organic compound having a terminal functional group which can be polymerized with a maleimide residue, but which does not

undergo a reversible Diels-Alder reaction, [with the exception of conjugated double bonds,] and at least one of compounds (i)-(vi); wherein the coating is applied from an aqueous solution, an organic solvent solution, a dispersion or an emulsion; and

subsequently stabilizing the bond coating on the substrate surface.

#### ALTERNATIVE 2

28. A method for corrosion-proofing a metal substrate, comprising:

applying a bond coating to the substrate, the bond coating comprising at least one organic adhesion-conferring polymer, wherein the at least one adhesion-conferring polymer comprises at least one polybismaleimide selected from the group consisting of: (i) a homopolymer comprising a bismaleimide, (ii) a homopolymer comprising a maleimide-terminated oligomer, (iii) a homopolymer comprising a maleimide-terminated polymer, (iv) a copolymer comprising a bismaleimide, (v) a copolymer comprising a maleimide-terminated oligomer, (vi) a copolymer comprising a maleimide-terminated polymer, and (vii) a copolymer of an organic compound having a terminal functional group which can be polymerized with a maleimide residue, excluding compounds capable of undergoing a reversible Diels-Alder reaction, [with the exception of conjugated double bonds,] and at least one of compounds (i)-(vi); wherein the coating is applied from an

aqueous solution, an organic solvent solution, a dispersion or an emulsion; and

subsequently stabilizing the bond coating on the substrate surface.

**CROWELL & MORING**

# Fax

**To:** Examiner Chen **From:** Michael Coe  
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● **Comments:** Enclosed are proposed amendments to claim language.